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fore, published in the Transactions of the American Entomological Society. There have been eight papers presented and published by the latter society during the year, comprising 338 pages of printed matter in octavo form, illustrated by seven plates. This, in connection with 24 pages of the published Proceedings of the Section make a total of 362 pages of entomological publications issued since last annual meeting.

The entomological collections of the Academy have been carefully attended to through the year, by the Conservator, Mr. Geo. B. Cresson, and have been preserved from all infection or loss.

By the death of Mr. James Ridings, in July, the section lost one of its most valued members. Mr. Ridings was one of the founders of the American Entomological Society, and through his many valuable discoveries was well known among the entomologists of the United States.

At the annual meeting of the section, held December 13th, the following gentlemen were re-elected as officers for the ensuing year:

Director.—John L. LeConte, M. D.

Vice-Director.—George H. Horn, M. D.

Treasurer.—E. T. Cresson.

Recorder.—J. H. Ridings.

Conservator.—Geo. B. Cresson.

Publication Committee.—George H. Horn, M. D.

Samuel Lewis, M. D.

At the last annual meeting of the American Entomological Society the sum of seventy-five dollars was contributed towards the funds of the Academy.

Respectfully submitted,

JAMES H. RIDINGS,
Recorder.

REPORT OF MINERALOGICAL AND GEOLOGICAL SECTION.

The Director of the Mineralogical and Geological Section would respectfully report:

Meetings of the Section have been held monthly, except during July and August. The attendance has been good. A number of interesting papers were read, and many valuable communications and donations made. During the year, the first volume of its proceedings was published, containing scientific papers and communications to January 1st, 1880. The collection of local rocks and

minerals has outgrown the place provided for it. It is almost complete as to the rocks of Philadelphia, and of Delaware, Montgomery and Bucks counties. Believing, as he does, that this collection will grow into one of great importance and interest, he is glad to state that the desire of the Section for a better location for it has been granted by the Council of the Academy.

Respectfully submitted,

THEO. D. RAND,
Director.

PHILADELPHIA, December 27th, 1880.

To the Director of the Mineralogical and Geological Section:

The mineral collection of the Academy has been improved during the past year by the addition of the usual number of donations. These have been carefully labeled and placed in the cases by Mr. Charles F. Parker, to whose industry and care we are chiefly indebted for the satisfactory arrangement and labeling of all our specimens. I submit with this a list of the donations during the past year. The collection is in a satisfactory condition.

JOSEPH WILLCOX,
Conservator.

Additions to Mineralogical Cabinet during the year 1880:—

Jas. W. Beath: Twenty-five specimens of polished Agates, from Oberstein, Germany, and Paraguay; Crocidolite, S. Africa. C. S. Boutcher: Proustite, Gunnison, Co., Colorado. Walter Collins: Asphaltum, Cretaceous Marl, Blackwoodtown, N. J. Chas. Doble: Millerite, Chalcopyrite and Niccoliferous Pyrrhotite, Gap Mine, Lancaster Co., Pa. W. H. Dougherty: Native Gold, also a fine collection of Native Silver, Silver ores, Argentiferous Galena, Ruby Silver, Cassiterite, etc., Mexico; Green Sand, San Antonio River, Texas. John Ford: Stilbite, Frankford, Philada.: Actinolite, Hornblende, Lafayette, Montgomery Co., Pa. John Garvin: Native Gold in Quartz, Battle Branch, Ga. E. Goldsmith: Lignite, containing Fichtelite, Brazil. Prof. S. S. Haldeman: Stalactite, and six specimens of Agates, Argentine Republic. E. P. Hancock: Two specimens Jeffersonite, Sterling, Sussex Co., N. J.; Thorite, Brevig, Norway. W. W. Jefferis: Quartz pseud. after Dog-tooth Spar; Picrolite (Slickenside,) Newlin, Chester Co., Pa.; Wavellite, E. Whiteland, Chester Co., Pa. Dr. G. A. Koenig: Jarosite, Chaffee Co., Colorado. Dr. Isaac Lea: Amazonstone, and a fine specimen of Sunstone, near Media, Del. Co., Pa. Dr. Jos. Leidy: Three specimens of Talcose Slate, Soapstone Quarry, shore of the Delaware River, above Easton, Pa.; Corundum, Laurens Co., S. C.; Biotite, Steatite Quarry on Bushkill Creek, near Easton, Pa. H. C. Lewis: Philadelphite, Phila.; Hyalite, Germantown, Phila.;

Halite, Saltville, Va. Wm. Lorenz: Chrysotile, Canada. Mr. Loyer: Corundum, Chester Co., Pa. Miss Miller: Crystals of Silver, Lake Superior; Hematite, Gypsum, Stalactite, Chlorastrolite, Halite, etc., from various localities. Dr. Weir Mitchell: Silicified Wood, Missouri River, above Bismarck. L. Palmer: Albite, Vermiculite, Del. Co., Pa. Theo. D. Rand: Kammererite and Chromite, Radnor, Del. Co., Pa.; Crystallized Quartz in Potsdam Sandstone, Mont. Co., Pa.; Herrengrundite, Herrengrund, Hungary; Orileyite, Burmah. J. L. Reed: Asbestos, Italy; Chrysotile, Ontario, Canada. T. W. Ried: Chalcopyrite, Montgomery Co., Pa. Dr. W. S. W. Ruschenberger: Copper Slag, Caldera, Chile, 1856. Dr. J. Richard Taylor: Cerargyrite, Chloride of Silver, with fractured Wavellite crystals, Galena with free Sulphur, Millerite, and argentiferous Carbonate of Lead, Leadville, Colorado; Ore from the Ohio Mine, bearing Gold, Silver and Copper, Breckenridge, Col. C. M. Wheatley: Fine specimen of Byssolite, Chester Co., Pa.; Azurite on Chalcopyrite, Upper Salford Mine, Montgomery Co., Pa.; Aurichalcite on Calcite, and white Apatite with Byssolite; Chalcopyrite, Pyrite and Melaconite, Jones Mine, Berks Co., Pa. Dr. Jas. W. White: Corundum, Zircon, Storeville, Anderson Co., S. C.; Corundum, Concord, N. C.; Andesite with Corundum, Hog-back Mt., N. C.; a collection consisting of Zincite, Rutile, Phlogopite, Graphic Granite, Chesterlite, Fibrolite, Garnet, Damourite, Stalagmite, etc., from various localities. Joseph Willcox: Autunite (Uranite), Mitchell Co., N. C.; Pyroxene, Biotite?, Apatite, Burgess, Ontario, Canada; Corundum coated with Margarite, Iredell Co., N. C.; Danburite, Russel, St. Lawrence Co., N. Y.; Black Tourmaline, Westport, Ontario, Canada; Scapolite, Pyroxene, and four specimens of Apatite, Bob Lake, Ontario, Canada. A. E. Foote, in exchange for duplicate books: nine specimens of Apatite, Renfrew, Ontario, Canada; Chrysotile, four specimens of Titanite (Sphene), Titanite (Lederite), two Vesuvianite, Beryl, Triphyllite, Celestite, Wollastonite, Gummite, Uranotile, Tourmaline, Octahedral Crystals of Fluorite, with Apatite and Calcite, from various localities. Purchased: Limonite, Superior Mine, Michigan.

Additions to Rock Collection.—John Ford: Hornblende, Soapstone Quarry, Lafayette Pa.; Tourmaline and Hornblende Schist, Tunnel near Girard Ave. Bridge; Decomposing Gneiss with Mica, ditto with Quartz, ditto with Manganese?, near west end of Callowhill St. Bridge, Philadelphia. G. H. Ivens: Geode of Limonite, Kent Co., Md. W. W. Jefferis: Gneiss. John Hartman: Two specimens of Crystalline Slag, taken from hearth of Blast Furnace, Charlotte, N. Y. Dr. Jos. Leidy: Talcose Slate, Soapstone Quarry, Pot Rock, Delaware River, above Easton, Pa.; Indurated Clay (Bridger Eocene), near Fort Bridger, Wyoming. H. C. Lewis: Glacier-scratched boulder, Belvidere, N. J. Theo. D. Rand: Twenty-seven specimens of Rocks, from the neighborhood of Philadelphia, for Local Rock collection; three specimens of

slags, from Puddling Furnace, Coatesville, Pa. Joseph H. Tull :
Six specimens of Ruby Silver, near Austin, Nevada.

**SUMMARY OF THE REPORT OF WM. C. HENSZEY,
TREASURER, FOR THE YEAR ENDING NOV. 30, 1880.**

Dr.

| | | |
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| To Balance from last account..... | \$1032 99 | |
| “ Initiation fees | 230 00 | |
| “ Contributions (semi-annual contributions)..... | 2244 98 | |
| “ Life Memberships..... | 500 00 | |
| “ Voluntary Contributions from Life Members..... | 615 00 | |
| “ Admissions to Museum..... | 455 30 | |
| “ Sale of Guide to Museum..... | 62 00 | |
| “ “ Duplicate Books..... | 7 75 | |
| “ Donation from Mineralogical and G. Section towards Proceedings..... | 35 00 | |
| “ Donations towards Plates for Proceedings..... | 10 00 | |
| “ Interest on Deposits..... | 69 04 | |
| “ Interest on Phil. and Erie Railroad Bonds..... | 30 00 | |
| “ Life Member Fund. Interest on Investment..... | 120 00 | |
| “ Maintenance Fund. “ “ “ | 30 00 | |
| “ Publication Committee. W. S. Vaux, Treasurer..... | 507 04 | |
| “ Publication Fund. Interest on Investments..... | 280 00 | |
| “ Barton Fund. “ “ “ | 240 00 | |
| “ Wilson Fund. Towards Salary Librarian..... | 300 00 | |
| “ Freight returned..... | 4 30 | |
| “ Phila. and Erie Railroad Bond, Transferred to Mainte- tenance Fund..... | 1000 00 | |
| | | \$7763 40 |

Cr.

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|---|-----------|----------|
| Salaries, Janitors, etc..... | \$2960 00 | |
| Freight..... | 60 59 | |
| Inspecting Boiler..... | 10 20 | |
| Repairs..... | 188 05 | |
| Insurance | 30 00 | |
| Jars and Bottles..... | 74 11 | |
| Coal..... | 195 50 | |
| Gas..... | 177 27 | |
| Mounting Bird..... | 1 25 | |
| Stationery and Postage Stamps..... | 136 55 | |
| Books..... | 6 50 | |
| Alcohol..... | 37 60 | |
| Publication Committee. W. S. Vaux, Treasurer..... | 93 33 | |
| Newspaper Reports..... | 64 00 | |
| Water Rents..... | 26 15 | |
| Trays..... | 42 00 | |
| Binding..... | 118 40 | |
| Printing and Paper..... | 1539 63 | |
| Plates and Printing..... | 142 52 | |
| Miscellaneous..... | 448 54 | |
| Life Memberships transferred to Life Membership Fund. | 500 00 | |
| | | 6852 19 |
| Balance ¹ | | \$911 21 |

¹ During the year there was received from voluntary contributions and donations \$660, which, with a Bond for \$1000, used for general purposes, indicates that the current expenses exceed the regular income over \$1600, the balance at the close of the year being a little less than at the commencement.